Paper Helicopter

Make your own helicopter and watch it twirl!

Kit contains:

- Helicopter template
- Paper clip

You will need: scissors and coloring supplies (optional).

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INSTRUCTIONS

(1) Decorate your helicopter with crayons, markers, or colored pencils. (This step is optional.)

(2) Cut along all solid lines.

(3) Fold on the dotted lines:

- Fold A in one direction and B in the opposite direction.
- Fold C and D so they overlap.
- Fold up the small bottom flap.

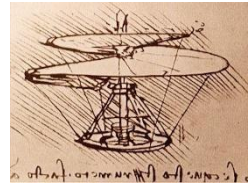
(4) Put the paper clip over the bottom flap.

(5) Toss in the air or drop from a high place and watch your helicopter twirl down!

WHAT'S GOING ON?

As the helicopter falls, air pushes up against the "blades" (parts A & B), bending them just a little. Tilting the blades makes faster moving air on top, which creates the force of lift. Also, the air is pushing on both blades in opposite directions which makes it spin instead of moving sideways.

Igor Sikorsky designed the first successful helicopter in the late 1930s. His inspiration came from drawings made by Leonardo da Vinci nearly five hundred years before.



AN OUT-OF-THIS-WORLD HELICOPTER!

We use helicopters for lots of things: medical transport, reporting news events, military operations, fighting fires, construction projects, rescuing people... even on Mars!

A helicopter, named Ingenuity, has been used on Mars for over 2 years! It's had 72 flights, reached 79 feet in altitude, and flown a total of 11 miles. It's been able to take pictures and transmit images back to Earth so scientists are able to learn more about Mars.

You can learn more about it here!
https://science.nasa.gov/mission/mars-2020-perseverance/ingenuity-mars-helicopter/

Sources:
exploratorium.edu/science_explorer/roto-copter.html
https://s.si.edu/2RtkzcK
Template: *papertoys.com/spinning-helicopter.htm*